

INFORMATION REPORT

SECRET

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COUNTRY East Germany

REPORT

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SUBJECT VEB Transformatorwerk "Karl
Liebknecht" (TRO): 1955
Development Program

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The following chart shows the 1955 development program for the Development Office of VEB TRO "Karl Liebknecht". This Development Office is directly responsible to the Central Office for Development and Construction of Electric Machinery, which is under the Main Administration for Electric Machine Construction in the East German Ministry for Heavy Machine Construction. The 1954 plan numbers of projects carried out in that year are given for the sake of comparison.

022302 b TRO "Karl Liebknecht"

Plan No. 1955	Plan No. 1954	Designation	Planned Funds ¹	
			Old Planned Funds in 1,000 DME	New Planned Funds in 1,000 DME
F5-01	F4-067	Oscillation operations in transformers	30	30
F5-02	F4-063	Magnetic research	60	40
F5-03	F4-064	Heating studies (Erwaermungs- untersuchung)	50	50
F5-05	F4-075	Insulation research on trans- formers	50	--
F5-06		Impact stress of transformers	60	60
F5-07		Consecutive connections of short circuits (Kurzschluss- Fortschaltung) on trans- formers	30	30
F5-08		Icing Experiments (Vereisungs- versuche) on high-voltage switches	70	--
F5-10	F4-072	Extinguishing of high-capacity electric arcs in switches	40	40
F5-11		Control condensers for high- voltage switches	25	25
F5-12D	F4-8/115	Transformers with texture plate (Texturblechen)	125	125

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(Note: Washington distribution indicated by "X"; Field distribution by "#".)

Plan No. 1955	Plan No. 1954	Designation	Old Planned Funds in 1,000 DME	New Planned Funds in 1,000 DME
F5-13	P4-065	400 KV insulation problems on transformers	30	30
F5-14	P4-070	High-voltage experiments on switches	80	40
F5-15	P4-067	Switching operations in the case of rapid re-switching (Schaltvorgaenge bei Schnellwiedereinschaltung)	30	30
F5-17	F4-7/068	Corona measurement installation	250	--
F5-5/18	P4-074	Material which gives off gases	10	10
F5-19		Short-circuit-proof installations and devices		50
K5-01		High frequency impedance coils	35	20
K5-02	K4-081	High vacuum high tension condensers	65	45
K5-03		Column pressure gas switches 110 kV	60	60
K5-04	K4-084	2500 MVA-pressure gas switches 110kV	50	50
K5-05	K4-089	Wall switch series	40	40
K5-06	K4-091	Circuit breaker (Trennschalter) 220 kV	40	40
K5-07		2500 MVA Freistrahlschalter ²	40	40
K5-08	K4-088	10 kV small-room universal switch cell (kleinraeumige Einheits-Schaltzelle)	30	30
K5-09	K4-087	10 kV open-air high-voltage cabinet installation	30	30
K5-10		High-voltage charging rectifier with high power	25	--
K5-11	K4-082	Overloading arrester (Ueberspannungsableiter) R 110 to R 380	80	80
K5-13	K4-7/103	Concrete short circuit reactances	10	10
K5-14		Universal cooler series (Einheitskuehlerreihe) for transformers where cooling of the oil is required		
K5-15	K4-077	Transformer with aluminum winding	45	45
K5-18	K4-7/110	100 MVA-longitudinal and transverse regulating transformers (Laenge-Querregeltrafos)	50	50
K5-19		100 MVA main transformers and regulating transformers	25	25
K5-20	K4-100	Medium frequency AC-DC inverter transformers	50	25
K5-24		Combination measuring transformers	50	25
K5-25		Capacitive voltage transformers series	50	30
K5-26	K4-079	Steutzer measuring transformers	30	30
K5-30		Highest voltage condensers	30	--
K5-31	K4-095	Ionenableiter (ion conductor)	40	40
K5-32D		Pressure gas switches 110 kV, 4000 MVA	60	60
K5-33	K4-092	Pressure air valves (Druckluftventile)	25	25
K5-34D	K4-083D	Pressure gas switches 220 kV, 4000 MVA (reistrahls-Druckgasschalter)	80	80
K5-5/36	K4-086	Rare gas switches (Hartgasschalter)	20	20
K5-5/37	K4-076D	125 MVA transformers	65	265
K5-5/38	K4-110	Lightning-proof dry transformers (Trockentransformator)	12	12
K5-5/39	K4-5/105	High-voltage laboratory equipment	10	10
K5-40		High-power oscillographs	15	--
V5-01	V4-097	Zerstoerungsfreie Fehlersuche (testing of windings)	30	30
V5-02D		Technology of transformers with texture plates	60	60
(plus Thema K5-41)		Leakage resistances	--	--
			2,192	1,832

Cancellation requested
29 March 1955

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Comments

1. Old planned funds are those funds originally approved for 1955; new planned funds are the approved funds for 1955 as of May 1955. A revision in 1955 planned funds was made in the spring of 1955.
2. A Freistrahlschalter is a switch in which the electric arc is out in the open, not enclosed in a chamber.

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